

ABSTRACT

Scalable Broadband Wireless Mesh Access Network

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The invention comprises a mesh access network architecture that provides a combination of high data rates to a large number of users and >99% coverage to potential customers in a service area. The network design also provides scalable 10 capacity that scales to more capacity/users with additional frequency carriers and coverage over a large area with additional base-stations. This is achieved using a combination of centralized mesh network control and intelligent interference management.